



Manual Power  
Assist Bikes

## Empulse F55 Product Overview



8.5" Wheel



14" Wheel

# F55

Sales Presenter

Empulse

## Empulse F55

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**Power add-ons are designed to enhance the mobility of user.**

Current options are:

- Permanently fitted onto the chair and don't mirror the energy patterns of users
- Require core strength to fit onto the chair
- Designed solely for performance and suit only very active clients.

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**Empulse F55 has been designed to work for semi-active to active clients.  
Blending the benefits of add-on wheels and push devices which enhance  
clients mobility with the technology and function of a powered bike.**

[Removable, easy mounting and intuitive to use]

### Key Features

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#### Simple Mounting

- Only mounted on the chair when required - mirroring energy patterns
- Intuitive to mount for clients with limited core strength
- Fits on both folding and rigid chairs with fixed or swing-away front frames



#### Everyday Performance

- Compact and lightweight for indoor usage and transportation
- Designed for everyday use - optimum speed, range and performance
- Two wheel sizes - 8.5" solid or 14" pneumatic wheel



#### Suitable for Everybody

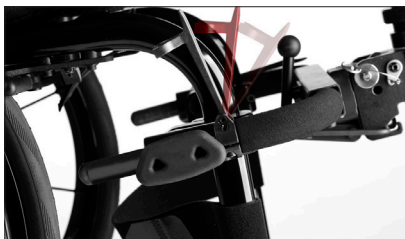
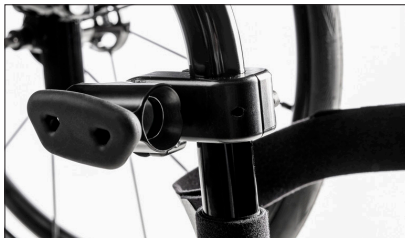
- Intuitive controls and handling for the best driving experience
- Lots of built-in adjustment to suit a wide range of clients
- A boxed product for simple ordering and set up

## Simple Mounting

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### Easy Mounting

- **Simple to mount to any chair allowing clients to fit the Empulse F55 when required throughout the day. Meaning clients don't have to propel extra weight, saving energy throughout the day**
- Fits to the front of the chair making it simple for clients to handle versus products that mount to the rear of the chair. An optional kick stand is available allowing the F55 to stand on its own for clients with poor trunk control making it even easier to dock.



### Easy Mounting Continued

- Tapered frame receivers mean it's more intuitive to fit the subframe arms into the receivers than other powered add-on bikes
- The F55 is light to **lift and lock** into position making it simpler for clients with limited strength to work with; this feature also lifts the castors from ground meaning they don't get caught in cracks in the pavement.

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## Simple Mounting

### Universal Mounting - Frame Types

Suitable for both rigid and folding chairs with either a fixed or swing-away front frame.

Designed to suit semi-active to active users, the F55 ensures the handlebar is in the correct position irrelevant of the chair frame type. This is achieved by offering a swing-away stem which has more depth than the fixed front option.



Swing-Away Mounting



Fixed Front Mounting



### Universal Mounting - Fits All Chairs

Available with 5 clamp options to fit to a wide range of chairs:

- Round clamp for 19.5, 23, 25, 28.6 & 30mm diameter tubes (Neon<sup>2</sup> or Argon<sup>2</sup>)
- Oval clamps for QUICKIE chairs (Xenon<sup>2</sup> FF, Nitrum or Helium)
- Xenon<sup>2</sup> Swing Away clamps
- Oval clamps for Progeo (Joker, Ego & Tekna)
- Ki Mobility Rogue clamp (35mm diameter)

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### Everyday Performance - Indoors & Transport

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#### 1. Indoor Performance

Designed for everyday use in everyday tasks, the F55 allows the bike to sit closer to the chair to reduce the overall length. Meaning its easy to navigate tight homes, shops or malls.

An optional 8.5" wheel provides a smaller package for the best indoor performance.



#### 2. Transport

Ideal for transport due to its lightweight and compact design. From just 11kg it can be easily lifted and stored in the car boot. The subframe can be locked up or removed for an even smaller and lightweight package.

Certified for aircraft transport the F55 can also be taken abroad on holidays.



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## Everyday Performance - Outdoors

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..... **3. Speed**

With 3 adjustable speed settings of 3, 6 & 9mph, with the F55 you're always in control of any situation that may arise.

..... **4. Range**

Whether you're nipping down to the shops or going on a family day out the F55's 25km range delivered from the 8.1Ah Lithium Ion battery has got you covered.

..... **5. Power and Traction**

36v, 400 watt brush-less motors deliver reliability and power so you can conduct everyday activities. The 14" drive wheel strikes the balance between compact indoor performances, while still maximising outdoor capability.

It's shorter wheel base increases traction, while keeping the drive wheel as close to the user as possible to maximise weight on the wheel.

## Suitable for Everybody - Controls

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### Intuitive Controls



### Why *complicate* things?

We designed the F55 with ease of use in mind, catering for the first time user rather than our more advanced clients.

#### 1. LCD Display

Standard with a clear LCD display. Which is simply to function and clearly shows the speed display and other mode options.

#### 2. Forward & Reverse

Changing direction is easy, simply push the 'direction' switch up or down to easily move from forwards to reverse.

#### LED Light

Comes as standard with a bright built-in LED light. Simply hold down the + button for 2 seconds to activate, making those early morning and late night journeys a lot brighter.

#### 3. E-Brake

As well as the traditional disk brake, we have introduced an electric brake for a softer, smoother, more controlled stop to the journey.

#### 4. Cruise Control

Built-in to the base price is a cruise control feature, allowing clients to relax on those longer journeys by maintaining a safe speed.





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## Suitable for Everybody - Adjustable

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Designed to fit a wide range of clients and chairs the Empulse F55 is a boxed product which is easy and quick for assessments and handovers; everything needed is in the box or adjustable on the bike.

### Empulse F55 Adjustments

1. Frame width adjustment - 26 - 48cm - Includes 4 centre bar lengths
2. Handle bar stem height - 15cm quick release
3. Handle bar angle - 70° quick release
4. Subframe Length - 30cm
5. Clamp height and 360° clamp angle adjustment



### Easy Ordering

#### Included in the Empulse F55 base price:

- 8.5" or 14" drive wheel
- 6, 10 or 15kph motors
- LCD Display
- LED Light
- Forward & reverse
- Cruise control
- Electronic brake
- 4 frame width bars
- 4 colour accents - red, blue, orange and black
- 8.1Ah Lithium Battery
- Charger
- Chair clamps

#### Simple to order with only 5 options to select choose from:

1. Drive wheel size - 8.5" or 14"
2. Front frame type - fixed or swing-away
3. Clamp type - QUICKIE or third party
4. Speed Setting - 6kph, 10kph or 15kph
5. Accessories - Kick stand, extra battery or charger

Base		£
<input checked="" type="checkbox"/>	Full-device F55 430 W (max.) motor, 8.1 Ah Li-ion battery, forward- and reverse gear, cruise-control, dual-brake system (disc-axle, e-brake), mudguard, front-light and colour-kit included.	0
<b>Drive wheels</b>		
<input type="checkbox"/>	ENF070000 Drive wheel, 8.5", solid tyre	0
<input type="checkbox"/>	ENF070002 Drive wheel, 14", pneumatic tyre	0
<b>Ordering/Bundling</b>		
<input type="checkbox"/>	ENR000210 Without wheelchair order	2,500
<input type="checkbox"/>	ENR000217 With wheelchair order, not mounted to the wheelchair (1)	2,500
<input type="checkbox"/>	ENR000218 With wheelchair order, mounted to the wheelchair (2)	2,050
<b>Docking</b>		
<input type="checkbox"/>	ENR100027 Docking for fixed-front wheelchairs	0
<input type="checkbox"/>	ENR100028 Docking for swing-away wheelchairs	0
<b>Docking Clamps</b>		
<input type="checkbox"/>	ENR100042 Docking-clamps for Qi Mobility Rogus (3) (4)	0
<input type="checkbox"/>	ENR100041 Docking-clamps for oval tubes (Progo Joker / Ego / Telnet) (5) (6)	0
<input type="checkbox"/>	ENR100026 Docking-clamps for round tube frames (adaptable to 10.6 mm, 28 mm, 25 mm, 28.8 mm & 30 mm tubes) (7) (8)	0
<input type="checkbox"/>	ENR100030 Docking-clamps for oval tubes (Quickie Xpress FF-Helium) (9)	0
<input type="checkbox"/>	ENR100031 Docking-clamps for Quickie Xenon FF (10)	0
<b>Adjustability</b>		
<input checked="" type="checkbox"/>	Complete easy-adjust-kit included to fit feet to front frame widths from 260 – 320 mm (1). The Feet is fully adjustable to all seat heights and frame angles.	0
<b>Speed Setting</b>		
<input type="checkbox"/>	ENR000026 6 kph	0
<input type="checkbox"/>	ENR000027 10 kph (1)	0
<input checked="" type="checkbox"/>	ENR000028 15 kph (1)	0
<b>Display</b>		
<input checked="" type="checkbox"/>	Display: Battery status, Odometer, trip counter, avg. speed, real time power consumption	0
<b>Accessories</b>		
<input checked="" type="checkbox"/>	LED front light	0
<input checked="" type="checkbox"/>	Mudguard for front wheel	0
<input checked="" type="checkbox"/>	Colour-kit (included: mudguard and slobars in 4 colours)	0
<input type="checkbox"/>	ENR100022 Kickstand: mounts to the sub-frame	150
<input checked="" type="checkbox"/>	ENR100033 Padding for sub-frame (onload)	0
<input type="checkbox"/>	ENR100016 Additional 12-hr battery, Standard: 20% d.o.l. Ah, 361 Wh (approx. 25 km range)	400
<input type="checkbox"/>	ENR101066 Additional charger	105

(1) Wheelchair order on separate order form. Separate shipment of wheelchair and F55.  
 (2) Wheelchair order on separate order form. Shipment of readily mounted wheelchair/F55 unit.  
 (3) Always check installation space for the docking clamps before ordering. Depending on configuration and option, a particular configuration of tubes might offer enough space.  
 (4) ENR100042 can only be ordered in-line with a signed waiver (see page 10).  
 (5) ENR100041 can only be ordered in-line with a signed waiver (see page 10).  
 (6) ENR100041 can only be ordered in-line with a signed waiver (see page 10).  
 (7) ENR100026 can only be ordered in-line with a signed waiver (see page 10).  
 (8) ENR100026 can only be ordered in-line with a signed waiver (see page 10).  
 (9) ENR100030 can only be ordered in-line with a signed waiver (see page 10).  
 (10) ENR100031 can only be ordered in-line with a signed waiver (see page 10).

Accessories	
	LED light, fender (accent colour red) and disc-brake (included on ENR100000 'Drive wheel 8.5", solid type)
	ENR100022 Kickstand: mounted to the sub-frame
	Colour kit (mudguard) included in delivery
	Colour kit (slobars) included in delivery (accent colour blue)

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### Commercials

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#### 1. Empulse F55 only

When the client is fitting the F55 to their current day chair:

- RRP - £2,500
- Dealer NET - £1,500
- Dealer Margin - £1,000



#### 2. Empulse F55 bundling with QUICKIE chair

Available when bundling with a NEW QUICKIE chair allowing the user to save £250 on the Empulse F55

- RRP - £2,250
- Dealer NET - £1,350
- Dealer Margin - £900



## Technical Specifications

### WEIGHTS & USE

Maximum user weight	110 kg
F55 weight	From 13 kg
Transport weight	From 9 kg
Removable parts	Sub frame and battery
Crash tested	Yes
Transport without user	Remove or lock off sub frame so unit is flat and store securely in vehicle
Intended use environment	For people unable to walk short or long distances, with limited mobility both inside and out



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